



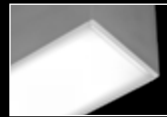
recessed companion



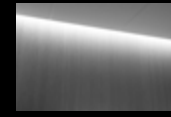
wall to ceiling companion



wall mount companion

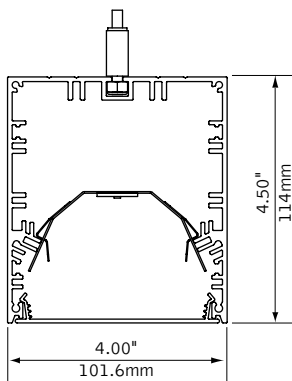


end detail

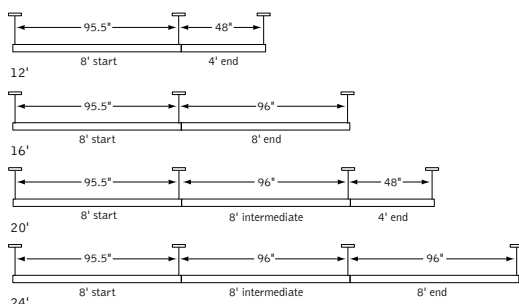


perimeter companion

DIMENSIONAL DATA



MOUNTING INFORMATION



Consult factory for additional row length information.

FEATURES

Narrow extruded aluminum 4" linear direct LED.

Individual units and continuous runs in 1' increments.

Frosted acrylic lens provides uninterrupted illumination, without pixels or shadows.

LED position and lens material optimized to provide the perfect blend of high performance and visual comfort.

Choice of output levels to meet a wide variety of application needs.

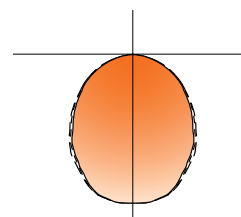
Connected Solutions: Integrates with wired and wireless building lighting control systems.

Preferred Light: Lighting for better color rendition and human preference.

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output:	1500-4000lm
Wattage:	15-46W
LPW:	86-97
SDCM:	3

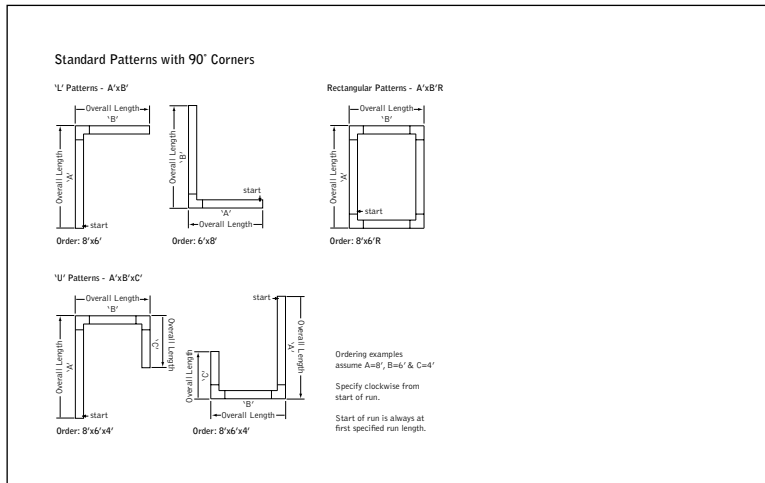


4' Flush Lens
Nominal output:
375 Lumens per foot

Delivered Lumens: 1500lm
Total System Watts: 15W

Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

DETAILS



SPECIFICATIONS

LED System

Proprietary linear LED module incorporates premium LEDs on a robust platform to achieve excellent thermal management. LEDs are placed to promote a uniform appearance. Available in 3000K, 3500K or 4000K with CRI>80, 3SDCM. LED modules and drivers are replaceable from below.

Construction

One piece extruded aluminum housing. Die cast aluminum end caps. 2' unit weight: 18 lbs., 3' unit weight: 24 lbs., 4' unit weight: 30 lbs., 5' unit weight: 36 lbs.

Optic

Reflectors fabricated of 22 Ga. steel finished in High Reflectance White powder coat. Extruded acrylic lens .085" thick with satin finish, up to 8' continuous.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Standard 120-277V constant current driver includes 0-10V analog dimming. Dimming range 100% to 10%. Power factor > .9.

Emergency

Output - 10 watts for 90 minutes. Maximum mounting height: 19.2ft. See EM/EC Guide for default locations and ordering details.

Labels

UL and cUL listed. Suitable for Dry or Damp Locations, indoor use only.

Finish

Polyester powder coat applied over a multi-stage pre-treatment.

Lumen Maintenance

Reported: L70 at >61,000 hours Calculated: L70 at 287,000 hours
 L90 at >61,000 hours L90 at 74,000 hours
 Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

Warranty

LED system rated for operation in ambient environments up to 25°C. 5-year limited warranty.

4' PERFORMANCE CHART

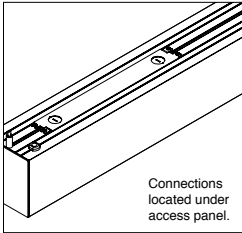
Shielding	Lumens per Foot	Delivered Lumens	Tested System Watts	LWP
Flush Lens	375LF	1500	15	97
	625LF	2500	26	95
	875LF	3500	39	89
	1000LF	4000	46	86

Based on 3500k, 4' lengths. *Lumen output may vary +/- 5%. Actual wattage may vary +/- 5%. Preferred Light lumen multiplier = 0.65.

ORDERING

Luminaire Series	FSM4LS	FSM4LS
Seem 4 LED	FSM4LS	
Shielding	FL	FL
Flush Satin Lens	FL	
Lumen Output		
275 Lumens per foot <small>(Not available with Lutron Drivers.)</small>	275LF	
375 Lumens per foot <small>(Not available with LU5 & LH1 Drivers)</small>	375LF	
625 Lumens per foot <small>(3' minimum with LU5 & LH1 Drivers)</small>	625LF	
875 Lumens per foot	875LF	
1000 Lumens per foot	1000LF	
Color Temperature		
3000K	30K	
3500K	35K	
4000K	40K	
3500K Preferred Light <small>(Patterns not available.)</small>	P35K	
Circuit	1C	1C
Single Circuit	1C	
Voltage	UNV	UNV
UNV 120/277 Volt	UNV	
Control System & Dimming Level		
0-10V - 10% Dimming	LD1	
0-10V - 1% Dimming	L11	
Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1	
Lutron 5-Series EcoSystem (LDE5) - 5% Dimming	LU5	
DALI 1% Dimming	D11	
Acuity nLight - 1% Dimming <small>(3' minimum length.)</small>	NLT1	
Enlighted Smart Sensor - 1% Dimming <small>(3' minimum length.)</small>	ENL1	
Osram Connected Lighting Module - 1% Dimming <small>(3' minimum length. Compatible with Daintree Networks & Osram ENCELUM and Simplus systems.)</small>	CLM1	
Wattstopper DLM - 1% Dimming <small>(3' minimum length.)</small>	DLM1	
Mounting		
24" Cable Suspension	C24	
48" Cable Suspension	C48	
96" Cable Suspension <small>(Add "P" for Chicago plenum. Eg: CP12) (Specify one of the following in place of "C" J - for 2' canopies at non-feed locations. CS - for sloped ceiling applications.)</small>	C96	
Surface Mount <small>(Not available with DLM1 or NLT1)</small>	SM	
Factory Options		
Emergency Circuit <small>(4' minimum. 7' minimum with CLM1, DLM1, ENL1 & NLT1.)</small>	_EC	
Emergency Battery Pack <small>(4' minimum. 7' minimum with CLM1, DLM1, ENL1 & NLT1. See EM/EC Guide for default locations and ordering details.)</small>	_EM	
Finish		
Titanium Silver	TS	
Matte White Housing	WH	
Luminaire Length <small>(Leave blank for patterns. Lengths are nominal)</small>		
Specify luminaire/row length in 1' increments <small>(Smaller increments available. Consult factory for details.)</small>	X'	
Pattern Options <small>(3' minimum length)</small>		
Specify luminaire/row length in 1' increments	X'	
'L' pattern	A' x B'	
'U' pattern	A' x B' x C'	
Rectangular pattern <small>(Consult factory for other pattern options)</small>	A' x B'R	

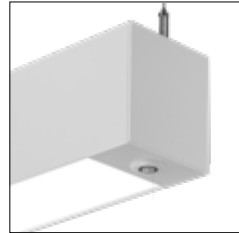
Focal Point provides flexibility in meeting the needs of each project by integrating with several building lighting control systems. A variety of sensors, drivers and other components can be specified that allow the luminaires to communicate with wired and wireless networks. All zoning can be digitally reconfigured through the application software. Daylight harvesting, occupancy sensing, integration with HVAC systems, and individual controls enable the monitoring and modulating of light levels and temperature in order to save energy, reduce costs and maximize occupants' comfort.



nLight[®] provides a two-way wired digital lighting system allowing for on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting.

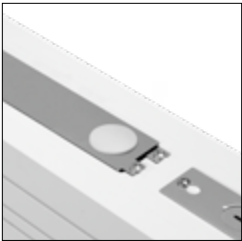
Acuity nLight - 1% Dimming (NLT1)
Acuity Model #nEPS-60-IO

CAT-5 Cable provided between segments of a run. CAT-5 Cable provided by others at start of run. Serial labels will be provided on outside of luminaires and control unit.



Enlighted smart sensor allows for occupancy sensing, daylight harvesting, energy usage, temperature and light level control. Communicates wirelessly with the Enlighted network.

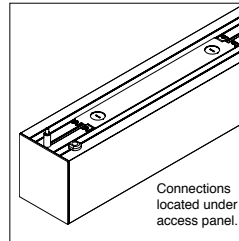
Enlighted Smart Sensor - 1% Dimming (ENL1)
Enlighted Model #SU-4E-01



Connected Lighting Module (CLM) enables each luminaire to be independently controlled and configured. Communicates wirelessly with Daintree Networks[®], Osram ENCELIUM[®], Osram Simplux[™] and other networks using the ZigBee[®] HA communication protocol to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Osram CLM - 1% Dimming (CLM1)
Osram Model #ZBHA-CLM DIM

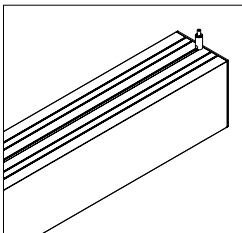
Serial labels will be provided on outside of luminaires and control unit.



A Digital Lighting Management (DLM) system that provides two-way wired communication between networked luminaires and control system to allow for on/off and dimming functionality, occupancy sensing and multi-zone daylight harvesting.

Wattstopper DLM - 1% Dimming (DLM1)
Wattstopper Model #LMFC-011

Segment Network Wire provided between segments of a run. Segment Network Wire provided by others at start of run. Serial labels will be provided on outside of luminaires and control unit.



A two-way digital network that enables on/off and dimming functionality, occupancy sensing, and multi-zone daylight harvesting working with Quantum[®], Energi Savr Node[™], and Energi TriPak[®] using EcoSystem[®] communication protocol.

Lutron Hi-Lume EcoSystem - 1% Dimming (LH1)
Lutron Model #LDE1
Lutron 5-Series EcoSystem - 5% Dimming (LU5)
Lutron Model #LDE5

CONNECTED SOLUTIONS DETAILS

Connected Solution	Model #	Protocol	Compatible Networks*	Occupancy	Daylight	Temperature Reporting	Communication to Luminaire	Drivers
Acuity nLight (NLT1)	nEPS-60-IO**	nLight	nLight	Enabled	Enabled	No	Wired	eldoLED ECOdrive , eldoLED SOLOdrive
Enlighted Smart Sensor (ENL1)	SU-4E-01**	Enlighted RF	Enlighted	Integrated	Integrated	Yes	Wireless	Philips SimpleSet , Osram Optotronic
Legrand Wattstopper DLM (DLM1)	LMFC-011**	DLM	DLM	Enabled	Enabled	No	Wired	Philips SimpleSet , Osram Optotronic
Lutron EcoSystem (LH1 & LU5)	LDE1,** LDE5**	EcoSystem	Quantum, Energi Savr Node, Energi TriPak	Enabled	Enabled	No	Wired	Lutron Hi-Lume Lutron 5-Series
Osram CLM (CLM1)	ZBHA-CLM**	ZigBee HA	Osram ENCELIUM & Simplux, Daintree Networks	Enabled	Enabled	No	Wireless	Osram Optotronic

*Not all compatible networks may be listed. **For performance data and additional control system details please visit the connected solutions manufacturer websites. Primary drivers are listed in bold. To specify a particular driver please consult factory.

Seem® 4

LED - FLUSH LENS

FSM4L-FL-1000LF-35K-1C-UNV-LD1-G1-CP-WH-4'

Filename: FSM4LFL375LF35K.IES

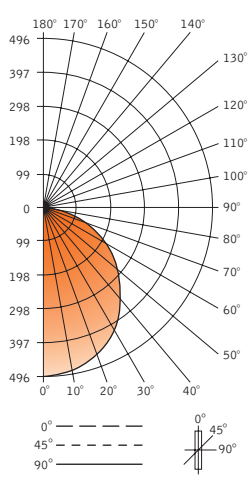
Test #: 11499493.01

Lumens: 1423lm

System Watts: 15W

LPW: 95

CANDLEPOWER DISTRIBUTION



Vertical Angle	Horizontal Angle				
	0°	22.5°	45°	67.5°	90°
0°	496	496	496	496	496
5°	493	496	493	493	494
15°	475	479	475	476	477
25°	439	443	439	440	440
35°	386	390	387	387	388
45°	322	325	322	323	324
55°	253	255	253	254	254
65°	176	179	178	179	180
75°	100	102	102	104	104
85°	31	32	31	31	31
90°	0	2	2	2	2
95°	0	0	0	0	0
105°	0	0	0	0	0
115°	0	0	0	0	0
125°	0	0	0	0	0
135°	0	0	0	0	0
145°	0	0	0	0	0
155°	0	0	0	0	0
165°	0	0	0	0	0
175°	0	0	0	0	0
180°	0	0	0	0	0

LUMEN SUMMARY

Zone	Lumens	% Fixture
0-30°	384	27.0
0-40°	627	44.1
0-60°	1103	77.5
0-90°	1423	100.00
Total Luminaire 0-180°	1423	100.0

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal		
	0°	45°	90°
45°	3757	3760	3774
55°	3634	3642	3657
65°	3441	3473	3506
75°	3193	3261	3313
85°	2923	2967	2970

Go to www.focalpointlights.com for additional photometric data.